



Dart Hawkesbury  
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada  
Tel (613) 632-5200

## Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Serial No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name
PO038707	ACI001-VC	4	1	Net 30	M17-4-H1150-R3.000	17-4 H1150 Round Bar 3.000" : MATERIAL: 17-4 PH CONDITION H1150 receive ft				12	1/19/2018	12		S031388	Stock	1/11/2018	\$ 148.17 / ft	0		\$1,778.00	Acier Ouellette Inc.
Total:										12		12								\$1,413.23	

Plex 1/11/2018 1:17 PM Dart Plouffe, Sonia

Status: Receiving

Part: **M17-4-H1150-R3.0**

Created: 1/11/18 1:06 PM DART.PLOUFFE.SO



Serial No: **S031388**

DELIVERY - CLIENT

CO00068131



ACIER OUELLETTE INC.

935, Boul. du Hâvre  
Salaberry de Valleyfield (Québec) J6S 5L1  
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Customer N° CLI0001056  
Date 2017/12/21  
Delivery date 2018/01/18  
Your order N° 38707  
Processed by Josianne Bourdon  
Salesman  
Carrier OUELLETTE VALLEYFIELD  
Credit Terme Net 30 Days  
Page 1

Billed to

DART AEROSPACE LTD  
1270 , ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Delivery Route 5

Instruction F-M

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only		
				CMD	EXP	B/O	IN	I	S C
1 ROUND SS 3 17-4PH NS RSS-3174 9267 2 X 6' R/L HEAT AC12447-ST-17/01	288.36	12.00	PL_\$CLB						

Total Weight (Lbs) : 288.36 NIR : R-109516-6

Conditions : All sold and delivered materials remain the property of "Acier Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Prepared By :	Verified By :	Delivered By :	Time
Customer's Signature			Date

Total (\$CAD)



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# **PURCHASE ORDER** **PO038707**

**Supplier:** ACI001-VC  
Acier Ouellette Inc.  
935 Boul. Du Havre  
Valleyfield  
QC  
J6S 5L1 Canada  
Phone: 800 667 4248  
Fax: 450 377 5696

**PO No:** PO038707

**PO Date:** 12/21/17

**Due Date:** 1/3/18

**Purchase Order**

**Revision:**

**Revision Date:**

**Ship-To Contact:** Lavoie, Chantal  
clavoie@dartaero.com

**E-MAILED**  
DEC 21 2017

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**Via:** Ground

**Pynt Terms:** Net 30

**Freight Terms:**

**Special Comments:** quote no. sou0077655,sou0077553

## Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	M4130NR0.375		4130 Steel Round Bar .375" : MATERIAL: AISI 4130N ROUND BAR AS PER MIL-S-6758 OR AMS 6348/6370/6528 receive ft	Firmed	1/3/18	24 ft	0 ft	24 ft	\$21.50/ft	\$516.00
2	M2024T3S.063		2024-T3 .063 Sheet : MATERIAL: 2024-T3 ALUMINUM SHEET AS PER QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037 OR ASTM B209 receive sf	Firmed	1/3/18	336 sf	0 sf	336 sf	\$8.7933035/sf	\$2,954.55
3	M4140NB2.500X3.000		4140 Steel Bar 2.500 X 3.000 : AISI 4140N STEEL BAR PER MIL-S-5626, AMS 6382, AMS 6349, AMS 6529 receive ft	Firmed	1/3/18	6 ft	0 ft	6 ft	\$79.16666/ft	\$475.00

**Line Item Note** 4140 plate heat treat acceptable

Items										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
4	M17-4-H1150-R3.000		17-4 H1150 Round Bar 3.000" : MATERIAL: 17-4 PH CONDITION H1150 receive ft	Firmed	1/19/18	12 ft	0 ft	12 ft	\$148.16666/ft	\$1,778.00
										Grand Total: \$5,723.55

## Order Notes

## Procurement Quality Clauses

A005 right of entry  
 A012 chemical and physical test report  
 A016 personnel qualification  
 A017 raw material identification (as applicable)  
 A026 certification of material conformance  
 A041 quality management system  
 A042 dart notification by supplier  
 A043 retention of quality documents  
  
 A048 counterfeit parts avoidance, detection, mitigation and disposition program  
 A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Plex 12/21/17 1:55 PM dart.lavoie.chantal



# ACIER OUELLETTE INC.

935, Boul. du Hâvre  
Salaberry de Valleyfield (Québec) J6S 5L1  
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

## Order - Sales

Copy CO00068131

Customer N° CLI0001056

Date 2017/12/21

Delivery date 2018/01/18

Your order N° 38707

Processed by Josianne Bourdon

Salesman OUELLETTE VALLEYFIELD

Carrier Net 30 Days

Credit Terme

Page 1

### Billed to

DART AEROSPACE LTD

1270, ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

### Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Delivery Route 5

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only		
				CMD	EXP	B/O	IN	I	S C
1 ROUND SS 3 17-4PH NS RSS-3174 9267 2 X 6' R/L HEAT: 266584 AC12447-ST-17/01 SURCHARGE ENERGETIQUE FRAIS_ENERGETIQUE	288.36	12.00	PL_\$CLB	2.00					OUT
			\$	0.00					

Total Weight (LBS) : 288.36

NIR : R-109516-6

### Conditions :

All sold and delivered materials remain the property of "Acier Ouellette Inc." until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Prepared By :

Verified By :

Delivered By :

Time

Customer's Signature

Y	M	D

Total (\$CAD)

Deposit

Balance

2 013.60

0.00

2 013.60

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M17-4-H1150-R3.000  
 DATE: JAN 12 2018

PO / BATCH NO.: 038707/5031388

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 12'  
 QUANTITY INSPECTED: 12'  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 3.000  
 THICKNESS RECEIVED: 3.000  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	<u>Ams 5643</u>
CORRECT THICKNESS	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	<u>Heat # 266584</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>11</u> DATE: <u>9-89 JAN 12 2018</u>	SIGNED OFF BY: _____ DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 17-4 PH / S17400 / TYPE 630 SS ROUND BAR  
GRAIN MUST BE ALONG LENGTH OF BAR  
MINIMUM YIELD STRENGTH PER TABLE  
MINIMUM ULTIMATE STRENGTH PER TABLE

SPECIFICATION: AMS 5643 OR ASTM A564  
PART NUMBER: M17-4-XXXX-R | X XXX | WHERE: HHHH SPECIFIES THE MATERIAL CONDITION (PER TABLE BELOW)  
COND | O.D. |

## MATERIAL CONDITION TABLE:

CODE	CONDITION	MIN YIELD TENSILE STRENGTH (KSI)	MIN ULTIMATE TENSILE STRENGTH (KSI)
(OMITTED)	NONE SPECIFIED (CONDITION A NOT ACCEPTABLE)	100	150
H900	H900	170	190
H925	H925	155	170
H1025	H1025	145	155
H1075	H1075	125	145
H1100	H1100	115	140
H1150	H1150	105	135
CONDA	CONDITION A (SOLUTION TREATED)		

NOTES: MATERIAL IN H900 AND H925 CONDITION NOT RECOMMENDED FOR TENSION OR SHEAR APPLICATIONS IN COLD WEATHER CONDITIONS  
MATERIAL IN H900 AND H925 CONDITION NOT RECOMMENDED FOR APPLICATIONS WHERE STRESS CORROSION CRACKING IS POSSIBLE  
CONDITION A NOT TO BE USED IN DESIGN FOR FINAL PRODUCT AND SHOULD ALWAYS BE HEAT TREATED

## EXAMPLES:

PART 4.000" DIAMETER BAR MIN UTS = 150 KSI, MIN YTS = 100 KSI  
2.500" DIAMETER BAR H900 CONDITION  
3.250" DIAMETER BAR H1025 CONDITION  
0.750" DIAMETER BAR A CONDITION

PART NUMBER  
M17-4-R1000  
M17-4-H900-R2.500  
M17-4-H1025-R3.250  
M17-4-CONDA-R0.750

RELEASED  
2017-10-31  
E(17-728)

APPROVED

C	ADDED MATERIAL CONDITION (CIR17-107)	NO	17.09.14
B	REPLACED WITH WG, S17400 TYPE 630 ADDED TO REFERENCE MATERIAL (EN 08-1), ADD A564 SPEC (C8-1), REF PAR 08-020A	VS	10.05.20
A	NEW ISSUE	CP	05.03.16
REV.	DESCRIPTION	BY	DATE
DESIGN	NO		
DRAWN	NO		
CHECKED	CP		
MFG. APPR.	RA		
APPROVED	WM		
DE APPR.	CP		
DATE	17.09.14		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M17-4-R			
REV. C SHEET 1 OF 1			
TITLE 17-4 SS ROUND BAR			
SCALE NTS			
DATE 17.09.14			
COPYRIGHT © 2005 BY DART AEROSPACE LTD ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.			

CO. 68131 DART

**VALBRUNA**

SLATER STAINLESS, INC.

2400 TAYLOR STREET WEST - PO BOX 630  
FORT WAYNE IN 46802 USA  
PHONE 260.434.2000 - FAX 260.434.2001

## Product Certification Report

Report Number: **5290400**

Certified on Feb 16, 2017 Page 1 of 2

Order I.D.	Order Date	Commodity Code			
1700350 009	2/14/17				
Dim 1	Dim 2	Dim 3	Heat I.D.	Customer I.D.	Customer Purchase Order
3.0000	.0000	.0000	266584	002786	NS4314/4796
Product Shape	Product Surface		Customer Grade		
Rounds	HR & Rough Turned		17-4		
Length (Inches)	Bill of Lading #		Weight		
132.000 Min.	156.000 Max.	428751	Melt Date: 2/09/15		

**Ship To**  
VALBRUNA CANADA LTD.  
8724 HOLGATE CRESCENT  
HIGH POINT BUSINESS PARK  
MILTON, ONTARIO, CA L9T 5Z1

**Sold To**  
VALBRUNA CANADA LTD.  
8724 HOLGATE CRESCENT  
MILTON, ONTARIO L9T 5Z1

**Lifts: 0077**

Condition A

ASTMA 564-13

ASMESA 564 13

AMS 2303F

AMS 5643U (except finish)

**CHEMICAL ANALYSIS**

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	N	Cb	Ta	Cb+Ta
.033	.52	.027	.020	.42	15.80	4.30	.17	3.32	.03	.28	.000	.280

BRINELL Type A device E10-15a

HBW

355

ROOM TEMP TENSILE ASTM E8-16a

**CAPABILITY**

Cap HB	TS (PSI)	.2%YS (PSI)	%EL(2")	%RA	AGE(F)
432	202000	178400	14.6	52.9	900

MAGNETIC PARTICLE to AMS2303F

FREQ SEV

AVG .02 .28

MACRO ASTM E340-15/E381-01(12)

MACRO

OK

OK

OK

PERCENT FERRITE (AMS 2315)

% FERRITE Etchant Magnification X

AVG .4 Marbles 100

Electric Furnace melted; AOD refined.

Solution heat treated at 1900 degrees F plus or minus 25 degrees, one hour minimum and air cooled.

Reduction ratio exceeds 5 To 1.

Chemical testing to one or more of the listed ASTM methods:

E1019-11, E1086-14.

Location of tensile fracture: inside middle of gage length. %elong after fracture.

Chemical Analysis performed at Acciaierie Valbruna, Italy.

No mercury or low melting alloy contamination. No weld repair.

Material melted in Italy, manufactured in the United States.

Material conforms to listed specifications. DFARS compliant. Our heat treat furnaces use air atmosphere.

Results relate only to the items tested. Certification shall not be reproduced except in full, without written approval of Valbruna Stainless Inc. The recording of false, fictitious, or fraudulent statements on this document may be punished as a felony under federal statutes. Including Federal law Title 18, Chapter 47. Consult material safety data sheet (MSDS) for hazard info. I hereby certify that the reported figures are correct as contained in the records of the corporation.

Manager Laboratory Services

Tad Landwehr

email: TLandwehr@valbruna.us

Tad Landwehr

**VALBRUNA**

SLATER STAINLESS, INC.

2400 TAYLOR STREET WEST - PO BOX 630  
FORT WAYNE IN 46802 USA  
PHONE 260.434.2800 - FAX 260.434.2801**Product Certification Report**Report Number: **5290400**

Certified on Feb 16, 2017 Page 2 of 2

Order I.D.	Order Date	Commodity Code			
1700350 009	2/14/17				
Dim 1	Dim 2	Dim 3	Heat I.D.	Customer I.D.	Customer Purchase Order
3.0000	.0000	.0000	266584	002786	NS4314/4796
Product Shape	Product Surface			Customer Grade	
Rounds	HR & Rough Turned			17-4	
Length (Inches)	Bill of Lading #		Weight		
132.000 Min. 156.000 Max.	428751		Melt Date: 2/09/15		

**VALBRUNA CANADA LTD.**  
*Ship* 8724 HOLGATE CRESCENT  
*To* HIGH POINT BUSINESS PARK  
MILTON, ONTARIO, CA L9T 5Z1

**VALBRUNA CANADA LTD.**  
*Sold* 8724 HOLGATE CRESCENT  
*To* MILTON, ONTARIO L9T 5Z1

Quality system is compliant with ISO 9001:2008. Produced in accordance with EN 10204 3.1.

Results relate only to the items tested. Certification shall not be reproduced except in full, without written approval of Valbruna Stainless Inc. The recording of false, fictitious, or fraudulent statements on this document may be punished as a felony under federal statutes. Including Federal law Title 18, Chapter 47. Consult material safety data sheet (MSDS) for hazard info. I hereby certify that the reported figures are correct as contained in the records of the corporation.

Manager Laboratory Services

email: TLandwehr@valbruna.us

Tad Landwehr